

Pilot Projects

## CBARMFI Pilot Project Funds Now Available

The **C**enter for **B**iophysical **A**ssessment and **R**isk **M**anagement **F**ollowing Irradiation, a consortium of researchers and institutions centered at the University of Rochester, announces the availability of funds to support a limited number of Pilot Projects. The objective of a proposed Pilot Project should be relevant to the research of the Center—biological risk assessment, dosimetry, and mitigation of the effects of a nuclear or radiological event.

Pilot Project grants are available for up to \$50,000 (total costs) for the duration of one year; meritorious projects may qualify for a second year of funding based upon progress, productivity, and interaction with existing Center programs.

Applications from new investigators developing collaborations with existing Center Faculty are encouraged. Funds are restricted to research expenses and generally cannot be used to support travel, faculty salary, or equipment purchases.

**Applications:** The application process will be conducted using a two-tiered review system in order to streamline the review process and increase the quality and relevance of grants that are subject to a full review.

Initial Applications are in the form of a one-page “white paper” describing the goals and objectives of the proposed project, relevance to the mission of CBARMFI, and the proposed nature of interactions with Center research and Faculty. Applicants are strongly encouraged to discuss potential projects with appropriate investigators as part of the formulation of the application. Abstracts will be reviewed by the Pilot Project Internal Advisory Committee and those applicants selected to submit full applications will be contacted within 2 weeks.

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## The deadline for initial applications is January 30<sup>th</sup>, 2006

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Full Applications, in the form of a 10 page NIH-type proposal, will undergo comprehensive scientific review, and this application process also involves a 20 minute oral presentation (in person or via conference call) by the applicant to the Internal Policy Committee.

*Specifications for Full Application:* (10 pages, single-spaced, 11-point font minimum)

- Specific Aims
- Research Plan
- Proposed collaborations/interactions with CBARMFI Faculty

In addition, please include the application form with a basic budget, your current CV, supporting letters, as well as any applicable Institutional approvals.

**Full Applications are due March 15<sup>th</sup>.** Applicants will be notified of awards by May 1st.

**Background:** In order to expand the medical options available to triage, prevent, and/or treat radiation-induced injury, and thereby help minimize terrorist threat, the NIAID/NIH established eight Centers for Medical Countermeasures against Radiation (CMCRs) in September 2005. These Centers include Columbia University, Dana Farber Cancer Institute, Duke University, Fred Hutchinson Cancer Research Center, Medical College of Wisconsin, University of California-Los Angeles, University of Pittsburgh, and the University of Rochester Medical Center.

The goal of the Pilot Project Program is to advance the research aims of CBARMFI and the work of the CMCR programs: the continued improvement of existing approaches for predicting risk and for ameliorating the side effects of radiation. Our risk and intervention estimators are based on physical dose, host cytokine balance, and genotoxicity. We emphasize understanding and mitigating radiation-related inflammation. In the Center, we direct attention to different aspects of radiation terrorism, while emphasizing damage to solid organs at exposures that are not immediately lethal (e.g. low-dose chronic exposure, inhalation exposure). We seek to refine physical and biodosimetric markers for victims and, importantly, mitigating agents. For further information, please see the CBARMFI website <http://radonc.urmc.rochester.edu/U19/> or contact Faculty members listed below.

**CBARMFI** comprises five scientific Projects and four Cores:

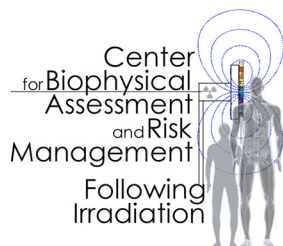
Center for Biophysical Assessment and Risk Management Following Irradiation <a href="http://radonc.urmc.rochester.edu/U19/">http://radonc.urmc.rochester.edu/U19/</a>			
<b>Project 1</b> (Paul Okunieff) paul_okunieff@urmc.rochester.edu	Inflammatory Molecules in Radiation Toxicity: Risk Assessment and Intervention		
<b>Project 2</b> (Jacob Finkelstein) jacob_finkelstein@urmc.rochester.edu	Pulmonary Response External and Internal Exposure: Model for Dispersion Event		
<b>Project 3</b> (Harold Swartz) harold.swartz@dartmouth.edu	In Vivo EPR for After-the-Fact Measurement of Dose		
<b>Project 4</b> (Yuhchyan Chen) yuhchyan_chen@urmc.rochester.edu	Validation of Quantitative, High Throughput <i>In Vivo</i> and <i>Ex Vivo</i> Assays of Bone Marrow Genotoxicity after Radiation Exposure		
<b>Project 5</b> (Richard Hill) hill@uhnres.utoronto.ca	Assessing Skin Exposure by Measuring DNA Damage in Skin Cells		
<b>Administration Core</b> (Paul Okunieff) paul_okunieff@urmc.rochester.edu	<b>Pilot Projects Core</b> (Jacob Finkelstein) jacob_finkelstein@urmc.rochester.edu	<b>Educational Core</b> (Jacky Williams) jackie_williams@urmc.rochester.edu	<b>Biostatistics Core</b> (Sally Thurston) thurston@bst.rochester.edu

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**Submit initial Application Materials by January 30<sup>th</sup> to:**

Dr. Jacob Finkelstein  
Department of Pediatrics & Neonatology  
University of Rochester Medical Center  
601 Elmwood Avenue, Box 850  
Rochester, NY 14642

Final funding decisions are made by the CBARMFI Director and Co-Director.  
Awards are subject to IACUC, IRB, safety approvals, and NIAID approval.



## Pilot Projects

Principal Investigator: \_\_\_\_\_

Department: \_\_\_\_\_

Project Title: \_\_\_\_\_

Requested Support Period: \_\_\_\_\_

Amount Requested: \_\_\_\_\_

Does research involve human subjects: ☐ Yes ☐ No

Does research involve animals: ☐ Yes ☐ No

### Abstract of Proposal

## Proposed Budget

Proposed Budget Period:

### Personnel:

Name	Title	% Effort	Salary	Fringe	Total

Total Personnel: \$ \_\_\_\_\_

### Supplies:

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Total Supplies: \$ \_\_\_\_\_

### Other:

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Total Other: \$ \_\_\_\_\_

Total Pilot Project Costs: \$ \_\_\_\_\_

**Please Note:** Funds are restricted to research expenses and generally cannot be used to support travel, faculty salary, or equipment purchases.